

PATENT



01-19-01  
AP/1746  
1746  
ATTORNEY DOCKET NO. ACBI048.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hung Pin Kao, *et al.*

Serial No.: 09/660,992

Filed: August 13, 2000

For: SIDE LIGHT ACTIVATED MICROFLUID  
CHANNELS

)  
) Examiner: Not Yet Assigned  
)  
) Art Unit: 1746  
)  
)  
)  
) INFORMATION DISCLOSURE  
) STATEMENT TRANSMITTAL

Commissioner of Patent and Trademarks  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing in the above-identified application is:

- ☒ An Information Disclosure Statement.
- ☒ A PTO 1449.
- ☐ Copies of references C1-C4 listed on the PTO 1449 form.
- ☐ English translation of foreign language reference(s).
- ☐ Copy of foreign examination report.

"Express Mail" mailing label number

Date of Deposit EL 6371942.52US

I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Francis Guerra

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- ☐ English translation of foreign examination report.
- ☒ Return postcard (postage prepaid).
- ☐ Also transmitted is: \_\_\_\_\_
1. ☒ This Information Disclosure Statement is filed before the later of:
- ☐ three months from the filing date of this national application;
  - ☐ three months from the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or
  - ☒ the mailing date of a first office action on the merits.
- ☒ In accordance with 37 CFR 1.97(b), no fee is required.
2. ☐ This Information Disclosure Statement is filed after the events noted in paragraph 2, but before either:
- (1) a final action under 37 CFR 1.113; or
  - (2) a Notice of Allowance under 37 CFR 1.311.
- ☐ In accordance with 37 CFR 1.97(c) also enclosed is:
- ☐ a fee under 37 CFR 1.17(p) in the amount of \$210; or
  - ☐ a certification as stated below.
3. ☐ This Information Disclosure statement is filed before the payment of the issue fee, but after either:
- (1) a final action under 37 CFR 1.113; or
  - (2) a Notice of Allowance under 37 CFR 1.311.
- ☐ In accordance with 37 CFR 1.97(d) also enclosed is:

- (1) A certification, as stated below;
- (2) A Petition requesting consideration of the Information Disclosure Statement; and
- (3) The petition fee set forth in 37 CFR 1.17(i)(1) in the amount of \$130.

Certification

The undersigned also states:

- ☐ Each item of information contained in the Information Disclosure Statement cited herein was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement; or
- ☐ No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Information Disclosure Statement.

The fees indicated above are:

**TOTAL FEES: \$ -0-**

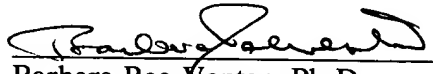
- ☐ A check including the amount of the above indicated TOTAL FEES is attached.
- ☐ Please charge Deposit Account No. 23-0796 in the amount of: \$ \_\_\_\_\_.
- ☐ A check in the amount of \$ \_\_\_\_\_ is attached.
- ☒ No fee is required.
- ☒ The Commissioner is hereby authorized to charge any underpayment of the following fees associated with this communication, including any necessary fees for extension of time, or credit any overpayment to Deposit Account No. 23-0796.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

☒ Any patent application processing fees under 37 CFR 1.17.

☐ A duplicate copy of this sheet is attached for accounting purposes.

Respectfully submitted,

Dated: January 11, 2001

  
Barbara Rae-Venter, Ph.D.  
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PATENT

ATTORNEY DOCKET NO.ACBL048.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hung Pin Kao, *et al.*

Serial No.: 09/660,992

Filed: August 13, 2000

For: **SIDE LIGHT ACTIVATED MICROFLUID  
CHANNELS**

) Examiner: Not yet assigned

)

) Art Unit: 1746

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) **INFORMATION DISCLOSURE**

) **STATEMENT**

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**BOX DD**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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This Information Disclosure Statement is hereby submitted in accordance with 37 CFR 1.98 and pursuant to Applicant's continuing duty under 37 CFR 1.56 to bring any information which may be material to patentability of this application to the Examiner's attention.

Copies of missing references C1-4 will be submitted under separate cover upon our receipt.

**CERTIFICATE OF EXPRESS MAILING**

"Express Mail" Label No.: EL 637194252US

Date of Deposit: 01-17-01

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(Signature)

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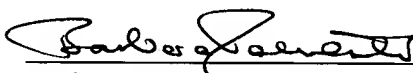
*[Signature]*  
Francis Guerra

Applicant makes no representation that a complete search has been conducted by the Applicant, or that there is not possibly more relevant art. Applicant also makes no representation that the information submitted herewith is in fact material.

The subject application is believed patentable over any of the above references.

Respectfully submitted,

Dated: January 11, 2001

  
Barbara Rae-Venter, Ph.D.  
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PATENT

DOCKET NO. ACBI.048.01US

COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231FORM PTO-1449 (Modified)  
LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)  
Sheet 1 of 1In re the application of: Hung Pin Kao, *et al.*

Art Unit: 1746

Serial No. 09/660,992

Examiner: Not Yet Assigned

Filed: August 13, 2000

## U.S. PATENT DOCUMENTS

Ref.	Examiner's	Patent			Class/	Filing
<u>Desig.</u>	<u>Initials</u>	<u>Number</u>	<u>Date</u>	<u>Name</u>	<u>Subclass</u>	<u>Date</u>
A1		US4,863,560	9/5/89	Hawkins, W.G.		8/22/88
A2		US5,006,202	4/9/91	Hawkins, W.G., <i>et al.</i>		6/4/90
A3		US5,738,757	4/14/98	Burns, B.E., <i>et al.</i>		11/22/95

## FOREIGN PATENT DOCUMENTS

Ref.	Examiner's	Document			Class/	Filing
<u>Desig.</u>	<u>Initials</u>	<u>Number</u>	<u>Date</u>	<u>Country</u>	<u>Subclass</u>	<u>Date</u>

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref.	Examiner's					
<u>Desig.</u>	<u>Initials</u>					
C1		Backlund and Rosengren, "New shapes in (100) Si using KOH and EDP etches," Micromach Microeng. 1992, 2:75-79.				
C2		Sekimura and Naruse, "Fabrication of 45° optical mirrors on (100) silicon using surfactant-added TMAH solution," International Conference on Solid State Sensors and Actuators, June 7-10, 1999, pp. 550-551, Sedai, Japan.				
C3		Strandman, <i>et al.</i> "Fabrication of 45° Mirrors Together With Well-Defined V-Grooves Using Wet Anisotropic Etching of Silicon, J. of Microelectromechanical Systems (MEMS).				
C4		Chang and Hicks, "Mesa structure formation using potassium hydroxide and thylene diamine based etchants." IEEE Workshop on solid State Sensors and Actuators, pp. 102-103, Hilton Head, SC, June 1988.				

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.